FOX GEOLOGICAL SERVICES INC.

GEOLOGICAL REPORT

on the

CUT 1, 2, 3 and 4 MINERAL CLAIMS
CUTOFF PROPERTY

OMINECA MINING DIVISION
BRITISH COLUMBIA

NTS 93F/10
53° 39' North Latitude
124° 45' West Longitude

by

P. E. Fox, Ph.D., P. Eng.

FOX GEOLOGICAL SERVICES INC.
1409 - 409 Granville Street
Vancouver, BC V6C 1T8

Work Paid for by
PHELPS DODGE CORPORATION OF CANADA, LIMITED

November 15, 1995

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SUMMARY

The Cutoff Property is located approximately 60 kilometres southwest of Vanderhoof in central British Columbia. Access from Vanderhoof is via the Kenney Dam Forest Service Road and the Nechako Reservoir Road. A series of secondary roads provides good access to all portions of the property.

The property is situated on the the Interior Plateau of central British Columbia, within Intermontaine Belt. It is underlain by Hazelton Group felsic to intermediate volcanic and pyroclastic rocks, Kasalka Group (Cutoff Volcanic Assemblage) andesitic flows, pyroclastics and volcaniclastic rocks, Ootsa Lake Group rhyolites and volcanic sediments and Eocene Endako Group basalts and sediments. Small felsite stocks cut the volcanic units.

Mineralization on the Cutoff Property occurs along a seven kilometre stretch of the Kasalka/Hazelton Group contact, extending from Stubb Bay to the Trout showing in the north. The most significant occurrence, the Trout Showing, is hosted in polylithic volcaniclastic breccias and conglomerates of the Kasalka Group. Gold mineralization is associated with fine-grained silica veins, fracture fillings, breccia fillings and open-space pore fillings.

This report details an exploration program that was conducted over the Cut 1 and 4 claims between June and August of 1995. The program of geological mappping, prospecting and rock sampling was designed to explore for continuations of the Trout mineralization to the northeast and southwest of the Trout Showing.

A number of float and bedrock samples were found to contain elevated to highly anomalous gold and silver concentrations, often with anomalous lead, mercury and arsenic. Results for other base metal and gold indicator elements are present at background levels only.

INTRODUCTION

A program of geological mapping, prospecting and rock sampling was conducted on the Cut 1 and 4 claims between June 6 and August 31, 1995. The results of this work are reported herein.

LOCATION, ACCESS and PHYSIOGRAPHY

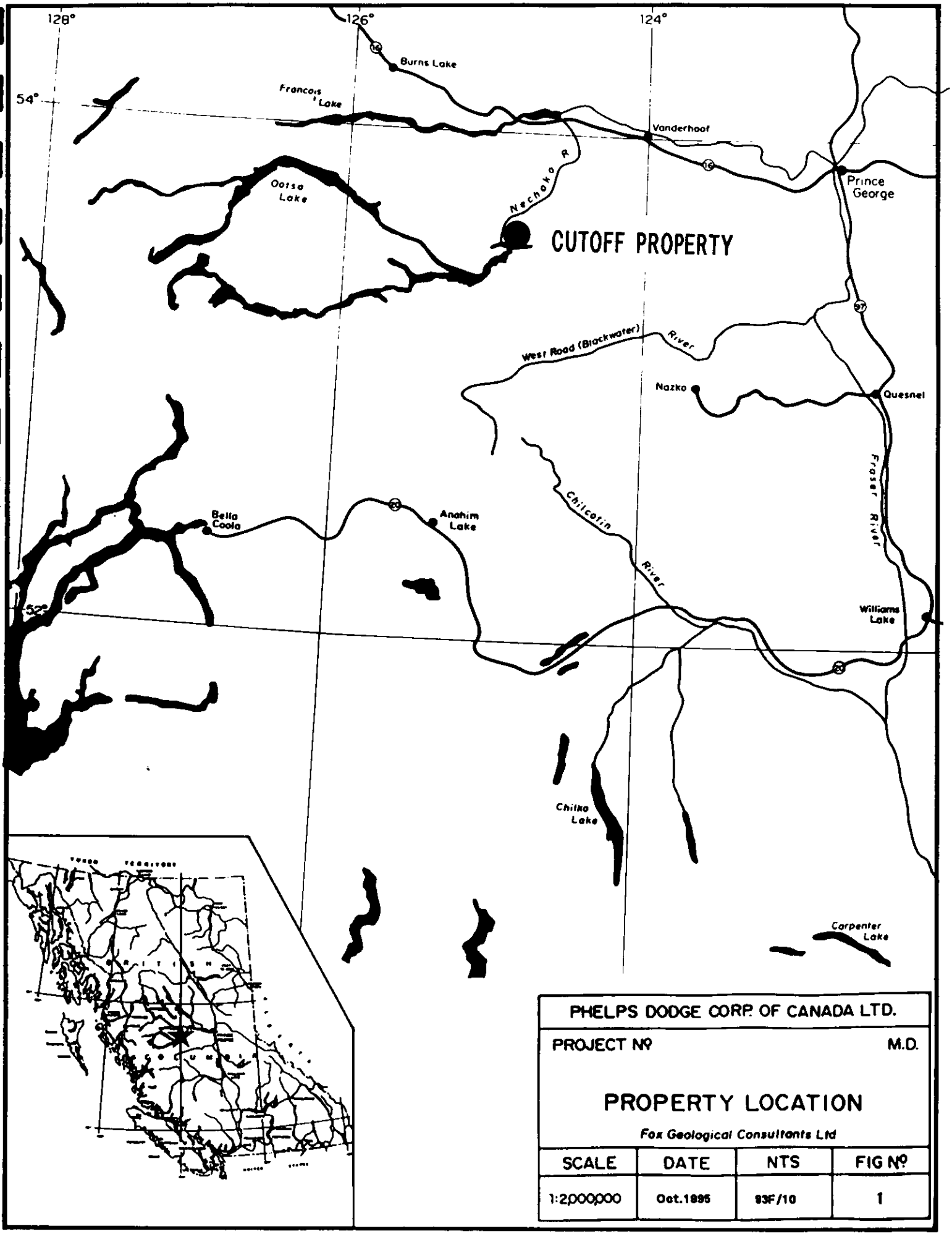
The Cutoff Property is located approximately 60 kilometres southwest of Vanderhoof in central British Columbia. It is situated on the Nechako Plateau, part of the Interior Plateau of the Canadian Cordillera, between Knewstubb Lake and the Nechako River. The Cut 1 to 4 claims are centered at 53°39' north latitude and 124°45' west longitude.

Access to the property is obtained by travelling southwest from Vanderhoof along the Kenney Dam Forest Service Road to the Nechako Reservoir Road which trends easterly through the southern claims. A series of secondary roads provides good access to all portions of the property.

Topography is gentle, with rolling hills dissected by the northeasterly drainages of Cutoff and Swanson Creeks and numerous subsidiaries. Several small lakes are present and swampy ground is common along creeks and predominantly northeast trending lineaments. Elevations range from approximately 850 metres along the shoreline of Knewstubb Lake to a rare high of 1070 metres on the northern slope of Cutoff Butte.

CLAIM INFORMATION

The Cutoff Property consists of twenty-two modified grid claims, totalling 368 units, recorded in the Omineca Mining Division and shown on NTS map sheet 93F/10 (Figure 1). Claim details are set out below. Expiry dates tabulated below assume that current work is accepted for assessment purposes.

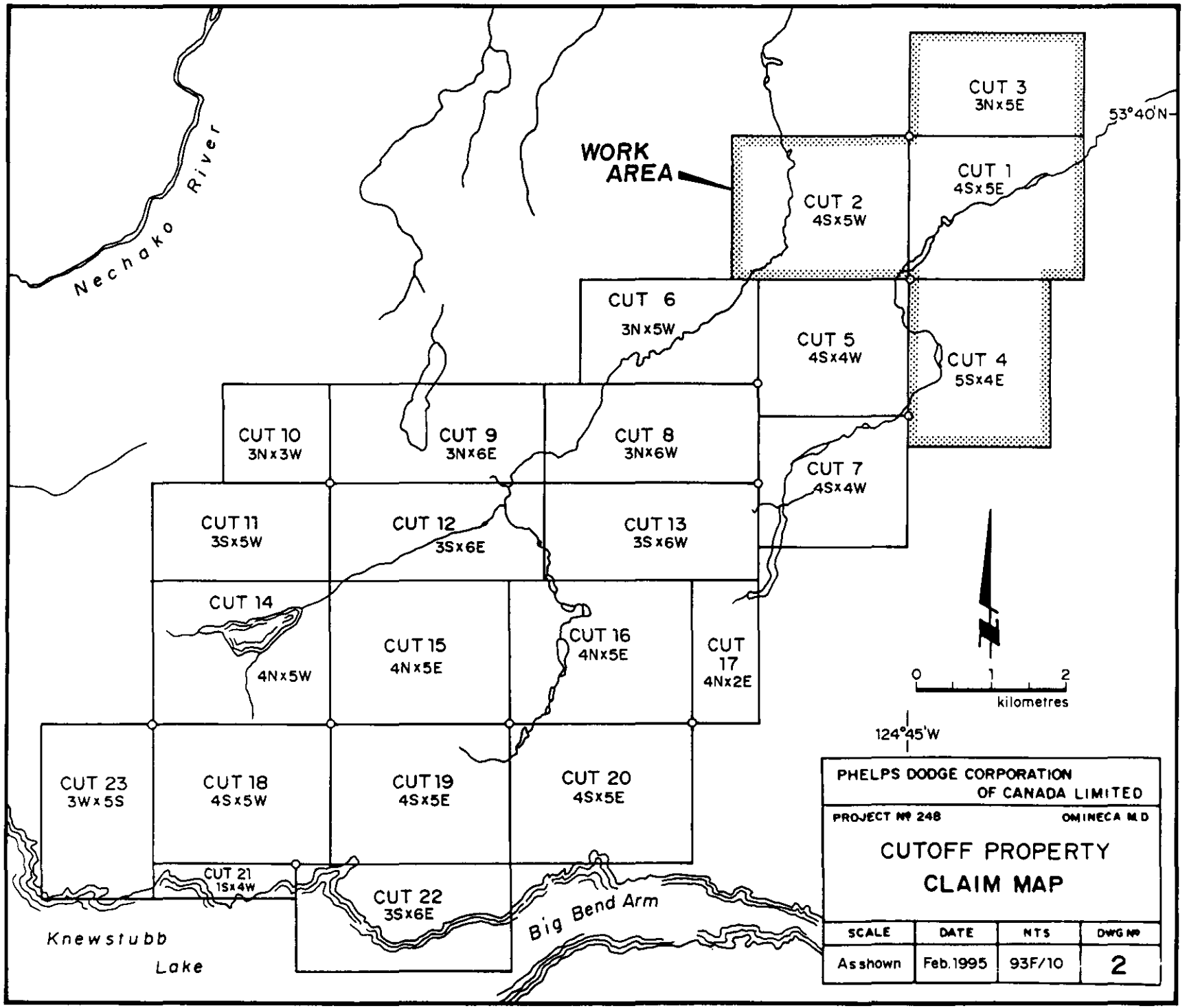


PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT Nº			M.D.
PROPERTY LOCATION			
Fox Geological Consultants Ltd			
SCALE	DATE	NTS	FIG Nº
1:2,000,000	Oct. 1995	93F/10	1

Table 1

Claim Name	Record #	Units	Years	Expiry Date
Cut 1	313251	20	1	Sept. 4, 1997
Cut 2	313252	20	1	Sept. 4, 1997
Cut 3	313253	15	1	Sept. 4, 1997
Cut 4	313828	20	1	Sept. 25, 1997
Cut 5	315029	16	0	Dec. 3, 1996
Cut 6	314671	15	0	Nov. 13, 1996
Cut 7	314672	16	0	Nov. 13, 1996
Cut 8	314673	18	0	Nov. 14, 1996
Cut 9	314674	18	0	Nov. 7, 1996
Cut 10	314675	9	0	Nov. 6, 1996
Cut 11	314676	15	0	Nov. 6, 1996
Cut 12	314677	18	0	Nov. 7, 1996
Cut 13	314678	18	0	Nov. 14, 1996
Cut 14	314679	20	0	Nov. 8, 1996
Cut 15	314680	20	0	Nov. 8, 1996
Cut 16	314681	20	0	Nov. 8, 1996
Cut 17	314682	8	0	Nov. 7, 1996
Cut 18	314683	20	0	Nov. 5, 1996
Cut 19	314684	20	0	Nov. 5, 1996
Cut 20	314685	20	0	Nov. 8, 1996
Cut 21	319031	4	0	July 1, 1997
Cut 22	319032	18	0	July 1, 1997

The Cut 1 through 4 claims comprise the Cut 95-1 claim group under a Notice to Group recorded September 1, 1995.


CUT 3
3N x 5E
53°40'N
WORK AREA
CUT 2
4S x 5W
CUT 1
4S x 5E
Nechako River
CUT 6
3N x 5W
CUT 5
4S x 4W
CUT 4
5S x 4E
CUT 10
3N x 3W
CUT 9
3N x 6E
CUT 8
3N x 6W
CUT 7
4S x 4W
CUT 11
3S x 5W
CUT 12
3S x 6E
CUT 13
3S x 6W
CUT 14
4N x 5W
CUT 15
4N x 5E
CUT 16
4N x 5E
CUT 17
4N x 2E
0 1 2
kilometres
124°45'W
CUT 23
3W x 5S
CUT 18
4S x 5W
CUT 19
4S x 5E
CUT 20
4S x 5E
CUT 21
1S x 4W
CUT 22
3S x 6E
Knewstubb Lake
Big Bend Arm
PHELPS DODGE CORPORATION OF CANADA LIMITED
PROJECT Nº 248
OMINECA M.D.
CUTOFF PROPERTY
CLAIM MAP
SCALE
As shown
DATE
Feb. 1995
NTS
93F/10
DWG Nº
2

REGIONAL GEOLOGY

The Cutoff Property is located in the Interior Plateau of British Columbia, within the Intermontaine Belt, which consists late Palaeozoic to late Tertiary sedimentary and volcanic rocks belonging to the Stikinia, Cache Creek and Quesnellia Terranes. The Yalakom and Fraser Fault systems bound the plateau to the northeast and southwest. A third fault has been inferred from oil exploration data to bisect the plateau. The Anahim Volcanic Belt, which crosses the plateau in an east-west direction, is composed of a series of alkaline and peralkaline volcanoes of Miocene to Quaternary age which become younger from west to east.

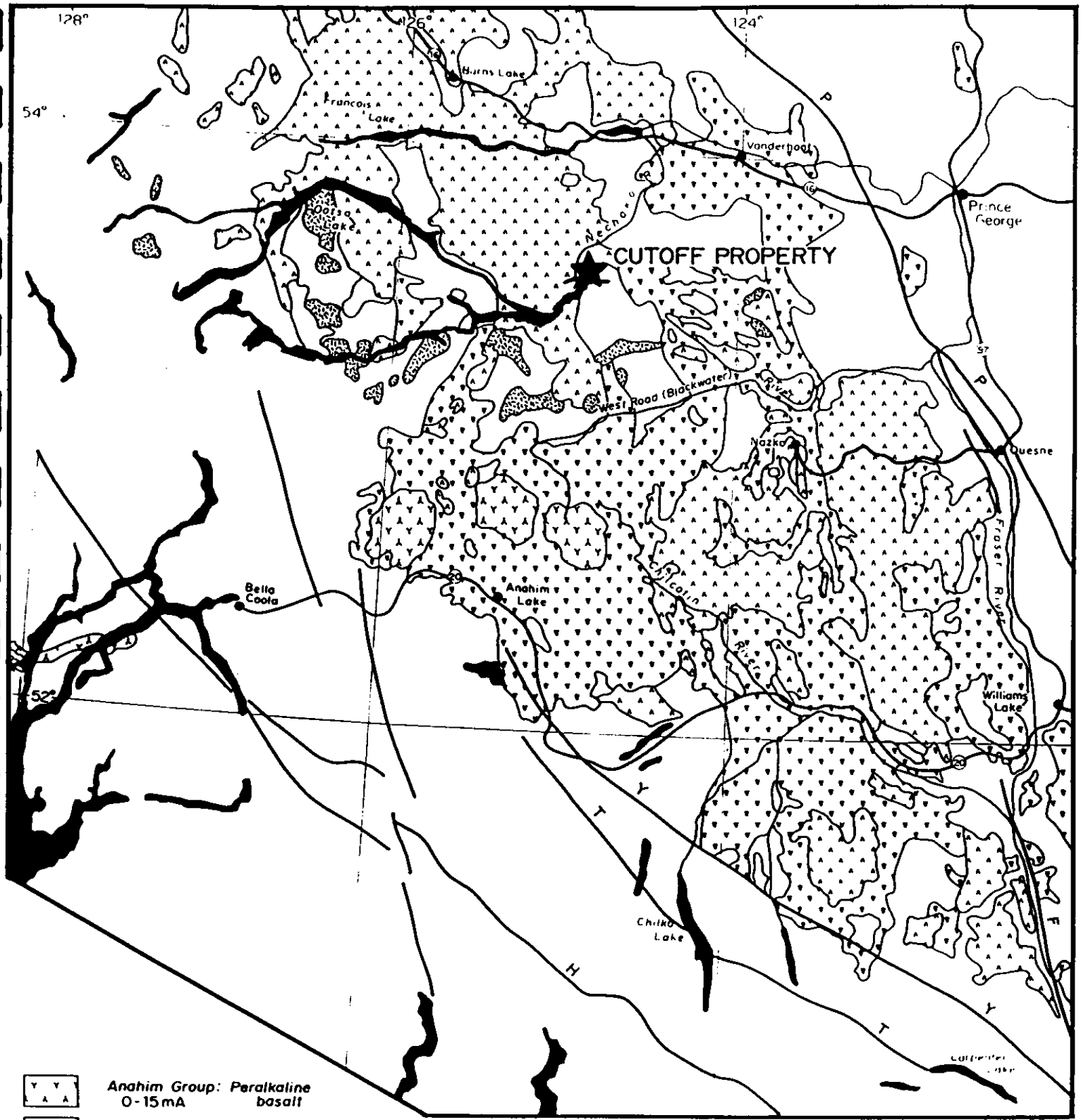
The Cutoff property is situated near the eastern edge of the Stikinia Terrane, on the southeastern edge of the Cheslatta Caldera Complex. The Natalkuz Fault, a regional northeast trending extensional structure which has been mapped to the southwest of the property, may extend through the Cut claims. This structure juxtaposes pre-Tertiary strata against a dominantly Eocene and younger volcanic pile. Regional Geology is represented in Figure 3.

PROPERTY GEOLOGY

The Cutoff property is underlain in the northeast by upper Jurassic Hazelton Group andesites, dacites and rhyolites, centrally by upper Cretaceous Kasalka Group andesites and sediments, in the extreme southwest by Eocene Ootsa Lake Group rhyolites and volcanic sediments, and in the northwest by Eocene Endako Group basalts and sediments. These units generally trend northeasterly and dip shallowly to the west.

Hazelton Group, Canyon Creek Assemblage volcanic rocks consist of rhyolitic to andesitic tuffs, breccias, flows and intrusive units with interbedded marine sedimentary rocks.

The upper Cretaceous Kasalka Group, Cutoff Volcanic Assemblage, which underlies the majority of the property, is interpreted to represent an eroded stratovolcano which was probably centered on the Cutoff Butte area. These rocks consist primarily of dark grey, medium to light green and less frequent maroon andesitic ash, crystal and lapilli tuffs, flows and flow breccias. Locally these rocks may be feldspar or, less frequently, hornblende phyric and magnetic. The majority of rocks observed during



Anahim Group: Peralkaline basalt
0-15mA

Chilcotin Group: Backarc alkaline/tholeiite basalt
2-10mA

Nanika, Quanchus Intrusives: Quartz monzonite, granite
60mA

Ootsa Group: Calc-alkaline felsic volcanics
35-70mA

Pre-Tertiary rocks and Coast Intrusions

Fault — H - Harrison, T - Tchaikazan, Y - Yalakom; F Fraser, P Pinchi

Scale 1 2,000,000
0 50 100 km

PHELPS DODGE CORP OF CANADA LTD.

PROJECT Nº 205 OMINECA M.D.

CUTOFF PROPERTY
REGIONAL GEOLOGY

Fox Geological Services Inc.

SCALE	DATE	NTS	FIG Nº
1 2,000,000	Sept 1995	93E/10	3

the 1995 field season were of this type. Volcaniclastic rocks are also present, but are volumetrically less significant. They consist of poorly sorted, polylithic pebble to cobble conglomerate, pebbly sandstone, sandstone and siltstone. Weak to moderate propylitic, clay, or ankeritic alteration, and/or weak to strong silicification occur locally. Ootsa Lake Group volcanics and sediments outcrop along the shore of the Nechako reservoir and along the "500" forestry road west of the property. Typical of these rocks are white to cream coloured quartz porphyry rhyolite flows, flow breccias, ash tuffs, scoria, pumice, siltstone, sandstone, and conglomerate. These rocks exhibit weak to intense orange, red, and yellow stain, zeolite (?) deposition in vesicles, strong clay alteration and silicification.

Endako Group basalts and sparse sediments form prominent cliffs and cap rocks in the northwestern portion of the property. Dark grey to black basalt flows are vesicular, commonly olivine- and occasionally feldspar-porphyritic, with local red scoriaceous units containing chalcedony amygdules. Minor interbedded tuffaceous sediments are present; cream coloured siltstones were observed at one location on Cutoff Creek.

Intrusive rocks outcropping on the property are rare. A pink to light green feldspar-porphyritic monzonite with abundant hornblende, and a dark grey, salt and pepper, hornblende-feldspar porphyritic diorite were observed. Red, thermally oxidized, scoria and volcanic bombs present in the Gold Fish area indicate proximity to an Eocene vent environment.

In the immediate area of the Cut 1-4 claims, Enkako Group rocks outcrop over the northwestern half of the claims. An arcuate wedge of Cutoff volcanics outcrops along the western boundaries of Cut 1 and 4 and the remainder of the area is underlain by Canyon Creek Assemblage volcanics and minor sediments. Three small felsite stocks intrude Cutoff and Canyon Creek volcanics, the most notable is in the vicinity of the Trout Showing, in the east-central portion of Cut 1. Geology of the Cut 1-4 claims, shown on figure 4, is modified after Cogema (1994).

MINERALIZATION

All known mineralization on the Cutoff Property occurs along a northwesterly trending, belt, seven kilometres long, that extends from Stubb Bay in the south to the Trout Showing in the north. This span encompasses the Kasalka/Hazelton Group contact, which appears to contain the mineralized volcaniclastic unit.

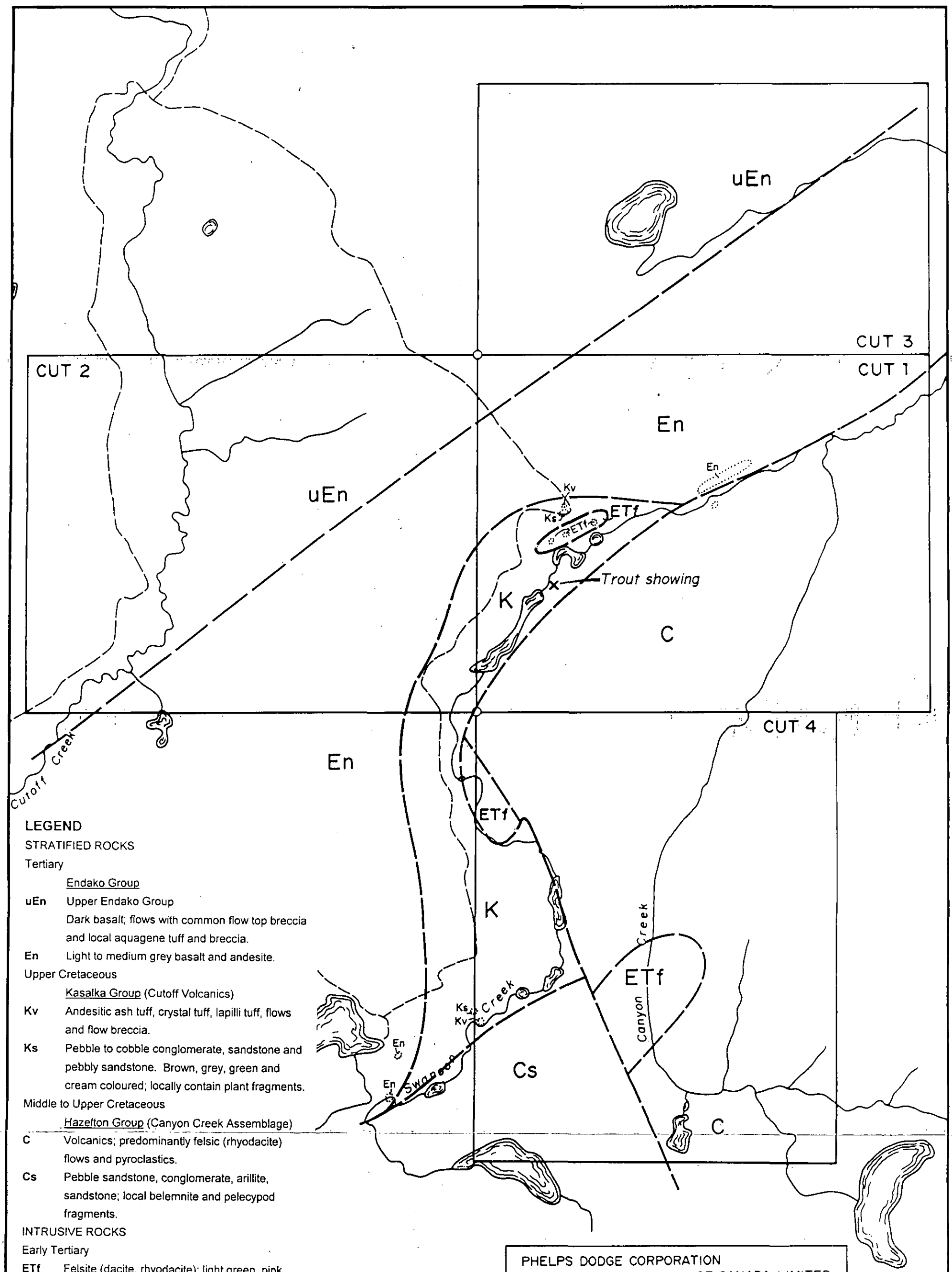
The most significant occurrence on the Cutoff Property, the Trout Showing, is located on the Cut 1 claim. This showing is hosted in polylithic volcaniclastic breccias and conglomerates of the Kasalka Group in fault contact with underlying Hazelton Group rocks. Gold mineralization is associated with fine-grained silica as veins, fracture fillings, breccia fillings and open-space pore fillings. Porosity and the intersection of two major lineaments are thought to control mineralization.

Past work by Cogema Resources indicates that the highest gold contents (up to 19 gpt over 5 metres in trenches and 3.8 gpt over 20 metres in drill core) are restricted to a clast-supported conglomerate unit where banded quartz and chalcedony fill pore spaces. This zone is surrounded by a halo of lower-grade mineralization over an area measuring approximately 120 x 150 metres.

1995 WORK PROGRAM

The 1995 exploration program on the Cut 1 through 4 claims concentrated on prospecting for continuations of the Trout mineralization to the northeast and southwest. The Trout Showing was also inspected and drill core found on site was examined.

Geological mapping was completed at a scale of 1:20,000 and is presented as Figure 4 of this report. Twenty rock samples were collected and sent to Acme Analytical Laboratories Ltd. in Vancouver where they were analyzed for 35 elements. Rock sample locations are shown in Figure 5. The geochemical methods used are detailed in Appendix 2.



LEGEND

STRATIFIED ROCKS

Tertiary

Endako Group

uEn Upper Endako Group
Dark basalt; flows with common flow top breccia and local aquagene tuff and breccia.

En Light to medium grey basalt and andesite.

Upper Cretaceous

Kasalka Group (Cutoff Volcanics)

Kv Andesitic ash tuff, crystal tuff, lapilli tuff, flows and flow breccia.

Ks Pebble to cobble conglomerate, sandstone and pebbly sandstone. Brown, grey, green and cream coloured; locally contain plant fragments.

Middle to Upper Cretaceous

Hazelton Group (Canyon Creek Assemblage)

C Volcanics; predominantly felsic (rhyodacite) flows and pyroclastics.

Cs Pebble sandstone, conglomerate, arillite, sandstone; local belemnite and pelecypod fragments.

INTRUSIVE ROCKS

Early Tertiary

ETf Felsite (dacite, rhyodacite); light green, pink, beige, fine to medium grained, massive, to porphyritic.

SYMBOLS

Limit of outcrop

Geological contact (inferred)

0 500 1000
metres

PHELPS DODGE CORPORATION OF CANADA LIMITED

PROJECT Nº 248 OMINECA M.D.

CUT 1 to 4 CLAIMS

PROPERTY GEOLOGY

SCALE	DATE		NTS	DWG Nº
1:20000	Nov.1995		93F/10	4

CUT 3

CUT 1

CUT 2

CUT 4

55259
55260

56001
56002

51554
51555
51556

51551
51552

51553

52472

56004

56003
56005
56006

37768

Cutoff Creek

Canyon Creek

52433
52436
52435
52434

Swanson Creek

LEGEND

- • Outcrop
- △ Float
- X Subcrop
- 52472 Sample number

0 500 1000
metres

PHELPS DODGE CORPORATION
OF CANADA LIMITED

PROJECT Nº 248 OMINECA M.D.

CUT 1 to 4 CLAIMS

ROCK SAMPLE LOCATIONS

SCALE	DATE		NTS	DWG Nº
1:20000	Nov.1995		93F/10	5

RESULTS

Rock sampling in the vicinity of the Trout Showing resulted in a number of samples with elevated to highly anomalous gold and silver concentrations, and low concentrations of lead, mercury and arsenic. Geochemical results for these elements are outlined in Table 2 below. Results for other base metal and gold indicator elements are present at background levels. Results for gold, silver and lead are given in Figure 6 and, for mercury and arsenic, in Figure 7. Analytical data are provided in Appendix 3.

Table 2

ELEMENT	SAMPLE RANGE	ELEVATED	ANOMALOUS
Gold	1 - 2740 ppb	95-100 ppb	>260 ppb
Silver	<30 - 62678 ppb	170-200 ppb	>500 ppb
Lead	4.7 - 832.4 ppm		> 170 ppm
Mercury	<5 - 3286 ppb	50-285 ppb	>500 ppb
Arsenic	4.7 - 103.8 ppm	30 - 60 ppm	>70 ppb

Bedrock samples contained up to 1564 ppb Au, 5801 ppb Ag, 832.4 ppm Pb, 816 ppb Hg and 86.6 ppm As. The best samples (52472 and 56004), containing 1401 ppb Au with 5801 ppb Ag and 1564 ppb Au with 3857 ppb Ag respectively, were both collected from a small felsite stock located north of the Trout Showing. Scattered subcrop of chalcedony- and calcite-bearing basalt and rhyolite located near the Endako Group/Canyon Creek contact 500 metres east of the stock contained elevated gold and silver with elevated to anomalous lead, mercury and arsenic. Two samples with visible malachite and azurite contained up to 25.8 ppm copper.

The best float sample (37768), of heterolithic, chalcedony-matrix breccia collected from the Discovery Zone (Trout Showing), contained 2740 ppb Au and 62,678 ppb Ag with elevated mercury and arsenic. Six similar float samples, collected approximately 300 metres north of the Trout Showing, also contained anomalous Au, Ag, Pb, Hg and As.

CUT 3

CUT 2

CUT 1

95/1300/10.6
9/31/13.4

1107/1461/12.0
882/1337/7.3

1802/4611/174.3
37/170/10.5

19/537/9.7
8/83/4.7
22/188/200.7

1401/5801/8.9

5/76/832.4

1564/3857/10.4

36/822/281.2
260/940/9.3
99/2350/15.3

2740/62678/7.2

CUT 4

Cutoff Creek

Creek

Canyon

2/68/18.5

21/<30/9.6

2/30/18.4

1/56/6.9

Swanson

LEGEND

- ● *Outcrop*
- △ *Float*
- x *Subcrop*
- 9/31/13.4 *Au(ppb)/Ag(ppb)/Pb(ppm)*

0 500 1000
metres

PHELPS DODGE CORPORATION
OF CANADA LIMITED

PROJECT Nº 248 OMINECA M.D.

CUT 1 to 4 CLAIMS

ROCK GEOCHEMICAL RESULTS
Gold, Silver, Lead

SCALE	DATE		NTS	DWG Nº
1:20000	Nov.1995		93F/10	6

CUT 3

CUT 2

CUT 1

17/86.6
6/8.1

164/103.8
14/5.7

501/17.4
1858/21.6

2.7/14.8

222/55.6
284/57.6
816/19.7

74/5.7

34/12.4

9/31.2
3286/46.1
75/70.8

165/45.9

CUT 4

Cutoff Creek

Creek

Canyon

50/7.7

<5/4.7

12/7.4

25/7.0

Swanson

LEGEND

- Outcrop
- Float
- X Subcrop
- 816/19.7 Hg(ppb)/As(ppm)

0 500 1000
metres

PHELPS DODGE CORPORATION
OF CANADA LIMITED

PROJECT Nº 248 OMINECA M.D.

CUT 1 to 4 CLAIMS

ROCK GEOCHEMICAL RESULTS
Mercury & Arsenic

SCALE	DATE		NTS	DWG Nº
1:20000	Nov.1995		93F/10	7

CONCLUSIONS

Gold in bedrock and float samples collected north and northeast of the Trout Showing indicate possible extensions of the gold-mineralization in this direction.

DISBURSEMENTS

Expenditures to November 15, 1995 on the Cut 1 to 4 claims are $15,000.00 as tabulated below.

Accommodation & Board	32 man days @ $75.00/day	2,400.00
Communication		335.00
Drafting		224.00
Laboratory	20 rock samples @ $19.55	391.00
Labour		
T. Archibald	2 days @ $225.00	450.00
J. Boutwell	2 days @ $225.00	450.00
G. Goodall	6 days @ $295.00	1,770.00
K. Karchmer	5 days @ $295.00	1,475.00
P. Murphy	5 days @ $225.00	1,125.00
C. Payne	5 day @ $295.00	1,475.00
L. Payne	3 days @ $225.00	675.00
R. Roe	3 days @ $225.00	675.00
D. Gagnon	1 day @ $225.00	225.00
Publication, Maps, Copies		60.00
Supplies and Equipment		610.00
Truck, gas	16 days @ $75.00/day	1,200.00
Report Writing	26.5 hours @ $40.00/hr	1,460.00
Total Disbursements		**$ 15,000.00**

FOX GEOLOGICAL SERVICES INC.

P.E. Fox, Ph.D., P.Eng.
November 15, 1995

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"Interpretation Report on the Cutoff Property HLEM Survey"; report for Cogema Resources Inc., July 1994.

CERTIFICATE

I, Peter Edward Fox, certify to the following:

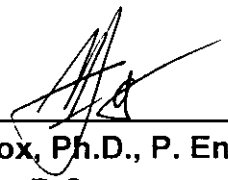
1. I am a consulting geologist residing at #902 - 2077 Nelson Street, Vancouver, B.C.

2. I am a Professional Engineer registered in the Association of Professional Engineers and Geoscientists of British Columbia.

3. My academic qualifications are:

   B.Sc. and M.Sc., Queens University, Kingston, Ontario
   Ph.D., Carleton University, Ottawa, Ontario

4. I have been engaged in geological work since graduation in 1966.



Peter E. Fox, Ph.D., P. Eng.
Vancouver, B.C.
November 15, 1995

APPENDIX 1

Rock Sample Descriptions

ROCK SAMPLE DESCRIPTIONS

Table 3

Number	Type	Description
37768	Float	Conglomerate from Discovery Zone; subrounded to very angular clasts supported, in a fine-grained to chalcedonic quartz matrix. Chalcedony is locally banded. Large 1-2cm open cavities in matrix, lined with quartz crystals. Fragments of feldspar porphyry andesite, mudstone and dacite. Some clasts fractured and healed.
51551	Grab Subcrop	Slightly limonitic flow breccia with no visible mineralization.
51552	Grab Subcrop	Maroon vesicular basalt and grey shaley basalt contain blebs and lenses of chalcedony and calcite.
51553	Subcrop Grab	Massive, off-white to bluish, silica-rich rhyolite with limonitic weathering surface.
51554	Subcrop Grab	Moderate malachite- and azurite-stained, brown to grey basalt appears to be a 60 cm wide vein. Contains mineralized chalcedony and calcite.
51555	Subcrop Grab	Chalcedony and calcite, stained with malachite and minor azurite.
51556	Talus Grab	Talus chips coated with malachite and azurite.
52433	Outcrop Grab	Brown conglomerate adjacent to 52433 is heterolithic and matrix supported with trace malachite on fractures.
52434	Outcrop	Grey to maroon feldspar porphyry lapilli tuff with moderate propylitic alteration and trace malachite.
52435	Outcrop Grab	Dark grey lapilli tuff with moderate propylitic alteration and trace malachite.

52436	Talus Grab	Maroon feldspar porphyry flow breccia with trace arsenopyrite.
52472	Outcrop Grab	Pink and light green feldspar porphyry rhyodacite breccia with quartz-chalcedony as coatings and veins, collected from trench below TR90-7.
55259	Float Grab	Epidote-quartz breccia, angular.
55260	Float Grab	Pinkish tochloritic feldspar porphyry(?), slightly brecciated with epidote-quartz and minor pyrite.
56001	Float Grab	Silicified, purplish coloured quartz rhyolite(?) with lighter coloured quartz clasts, epidote-quartz breccia.
56002	Float Grab	Calcareous, siliceous rock with some vugs and minor pyrite.
56003	Float Grab	Andesite-quartz breccia.
56004	Outcrop Grab	Kasalka Breccia.
56005	Float Grab	Rhyodacite with pyrite in minute stringers and along fracture surfaces.
56006	Float Grab	Andesite-quartz breccia with disseminated pyrite.

APPENDIX 2

Analytical Method

ICP: A 30 gram sample is digested with 180 millilitres 3-1-2 HCl-HNO_3-H_2O at 95° Centigrade for one hour and is diluted to 100 millilitres with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K, Ga and Al. Solution is analysed directly by ICP. Mo, Cu, Pb, Zn, Ag, As, Au, Cd, Sb, Bi, Tl, Hg, Se,Te and Ga are extracted with MIBK-aliquat 336 and analysed by ICP.

Au^+: Gold is extracted by aqua-regia/MIBK extract, GF/AA finished.

APPENDIX 3

Rock Geochemical Analyses

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 249 File # 95-1940

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: G. Goodall

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
37768	1.5	17.3	7.2	62.9	62678	8	3	522	2.40	45.9	<5	3	11	.11	2.4	.2	30	.15	.059	22	12	.20	26	.04	2	.63	.03	.19	<2	.2	165	5.2	.4	2.0	2740
37769	.5	2.6	2.7	132.3	302	11	33	2066	5.87	2.8	7	2	205	.24	1.3	.3	60	12.37	.022	5	3	6.35	1677	.01	2	.38	.01	.08	<2	.2	53	.6	.2	.5	41
37770	.4	4.8	1.7	82.8	79	11	16	1110	5.06	2.1	<5	1	33	.06	.5	.2	120	1.78	.072	12	17	1.88	241	.06	3	1.95	.04	.05	<2	.1	21	<.3	.2	4.8	13
37771	.6	4.9	3.0	62.7	79	7	13	1276	4.65	1.7	6	1	69	.33	1.0	.1	115	4.32	.076	9	14	2.55	551	.06	3	.40	.04	.09	<2	.2	12	<.3	.2	1.4	6
46643	1.1	10.6	3.1	78.8	266	5	13	1073	3.65	8.3	<5	1	112	.16	.5	.1	98	3.16	.089	9	8	2.18	40	.31	8	3.42	.04	.06	<2	.1	7	.5	.4	16.1	9
46644	1.0	31.1	3.2	56.5	67	1	8	626	4.74	2.1	<5	1	37	.04	<.2	.1	49	1.62	.078	11	3	.55	167	.02	<2	1.47	.07	.25	<2	.3	11	<.3	.2	3.7	1
46645	.3	41.2	.7	31.0	47	7	19	2479	3.02	.5	6	2	106	.14	<.2	.1	30	26.06	.028	10	3	1.14	2077	<.01	2	1.52	.01	.08	2	.3	11	<.3	.2	4.1	1
46646	1.2	4.5	4.2	4.5	59	6	1	121	.50	2.1	6	5	9	.01	2.2	.1	4	.41	.006	19	7	.03	186	.01	<2	.45	<.01	.01	2	.2	628	<.3	<.1	1.0	3
46647	2.7	4.4	5.1	11.8	49	6	1	71	.34	5.7	<5	9	6	.02	4.5	<.1	7	.07	.006	33	9	.02	40	.01	<2	.25	.05	.15	<2	.2	668	<.3	.2	.8	5
46648	1.7	18.7	1.1	105.7	97	61	24	863	5.97	<.5	<5	3	72	.13	<.2	.2	117	1.54	.347	46	66	1.87	103	.21	5	.62	.12	.14	<2	.2	23	<.3	.4	3.1	7
46649	1.3	5.2	4.6	62.1	51	10	7	1096	5.20	.8	<5	6	7	.07	<.2	.2	13	.07	.054	29	7	.05	59	.03	<2	.19	.05	.12	<2	.1	11	<.3	.2	<.5	2
46650	.7	14.2	4.3	84.8	59	2	8	1125	3.66	.9	<5	2	135	.15	<.2	.2	28	2.43	.157	23	5	.96	117	.05	<2	1.43	.05	.21	<2	.2	<5	<.3	.3	6.0	2
RE 46650	.8	14.7	4.4	85.7	45	6	7	1132	3.68	.9	<5	2	136	.14	<.2	.1	28	2.47	.158	23	6	.97	112	.05	3	1.42	.04	.21	<2	<.1	5	.5	<.1	6.1	2
RRE 46650	.7	14.6	4.5	89.1	40	2	9	1098	3.78	.6	<5	2	134	.15	<.2	.1	29	2.40	.162	23	5	1.01	122	.05	<2	1.51	.06	.23	<2	.3	5	<.3	.2	6.2	1
46651	1.3	4.2	3.4	25.8	34	5	2	255	1.53	2.1	<5	6	5	.04	<.2	<.1	7	.04	.020	26	7	.02	23	.02	<2	.18	.06	.13	<2	.1	<5	<.3	.2	.6	<1
46652	2.2	19.9	3.4	76.3	<30	17	17	1768	5.03	70.4	<5	4	101	.16	3.3	<.1	109	1.09	.195	26	27	.14	158	.06	2	1.49	.20	.13	<2	.2	<5	<.3	.1	4.0	1
46653	1.9	21.1	2.3	93.8	53	27	21	1753	6.93	59.3	<5	4	95	.31	3.4	.2	113	.92	.164	26	25	.15	203	.06	<2	1.15	.17	.12	<2	.4	<5	<.3	.3	3.6	<1
46654	2.0	4.6	3.4	36.3	85	5	2	528	.87	5.6	<5	8	10	.07	.4	.1	6	.08	.018	15	7	.01	90	.01	<2	.25	.07	.19	<2	.3	<5	<.3	.2	.9	1
46655	1.8	3.5	1.2	9.8	<30	7	3	293	.98	2.4	<5	5	5	.02	1.5	.3	9	.04	.016	12	10	.01	30	.01	<2	.55	<.01	.02	<2	<.1	<5	<.3	<.1	1.0	3
46656	3.2	4.3	5.8	21.7	160	7	2	176	.61	6.2	<5	6	20	.02	1.4	.3	5	.04	.012	31	11	.01	88	<.01	<2	.36	.01	.26	2	.2	107	<.3	.2	1.1	3
46657	1.4	11.0	2.5	56.9	<30	6	16	831	4.66	11.3	<5	2	36	.06	.2	<.1	133	1.75	.064	11	9	1.55	567	.22	<2	1.58	.06	.12	2	.3	9	<.3	.2	8.0	1
46658	1.4	52.1	2.4	79.9	69	4	17	1098	5.37	10.5	7	2	102	.12	<.2	<.1	138	3.24	.091	10	9	2.49	165	.32	5	2.48	.06	.10	2	.2	18	<.3	.2	10.2	2
46659	1.4	4.2	2.2	79.6	47	3	11	689	4.93	7.7	<5	2	36	.08	.7	.2	61	1.23	.133	15	7	1.18	97	.16	<2	1.50	.06	.18	<2	<.1	5	<.3	.4	6.6	3
46660	.9	6.8	2.5	42.9	<30	7	9	1458	3.17	1.4	<5	1	135	.20	.2	<.1	58	6.73	.041	11	10	2.06	1473	.06	2	1.25	.04	.04	<2	.2	<5	<.3	<.1	4.3	1
RE 46660	1.0	7.3	2.8	41.1	41	5	9	1435	3.10	2.0	<5	2	133	.22	.6	.2	58	6.66	.041	10	10	2.03	1460	.05	<2	1.22	.03	.03	<2	.1	<5	<.3	.2	5.3	1
RRE 46660	1.1	6.4	2.6	40.9	<30	6	10	1446	3.02	1.5	<5	1	126	.22	.3	<.1	56	6.68	.040	10	9	1.97	1340	.05	3	1.17	.02	.03	<2	.1	<5	<.3	.1	4.5	2
46661	.6	5.8	2.1	60.7	34	5	8	636	3.58	1.1	<5	1	34	.08	<.2	.1	54	2.86	.071	14	8	2.03	151	.03	<2	3.09	.03	.12	<2	.2	<5	<.3	.2	8.9	2
46662	.5	5.7	2.7	80.4	<30	14	20	848	5.68	1.2	<5	1	40	.14	<.2	.1	134	3.69	.068	11	23	3.71	107	.03	4	4.26	.03	.13	<2	.2	22	<.3	<.1	11.4	2
46663	.4	41.7	6.6	70.2	51	<1	10	1385	4.05	1.2	<5	2	167	.26	6.9	.1	94	15.70	.038	8	4	2.01	246	.01	<2	.63	.01	.14	<2	.1	70	<.3	<.1	.9	7
46664	.8	66.4	7.9	121.3	450	9	21	3158	4.66	3.6	<5	2	247	.55	15.9	.1	61	15.53	.016	8	2	5.87	332	<.01	<2	.34	.01	.08	<2	<.1	216	<.3	.1	<.5	6
46665	71.8	59.5	7.0	61.3	2360	10	34	1110	4.34	181.2	5	1	43	.19	15.5	1.4	33	4.57	.036	5	7	.83	102	<.01	<2	.48	<.01	.14	<2	1.0	1093	<.3	2.9	1.2	76
46666	1.9	61.9	2.1	57.1	137	5	23	709	5.46	5.7	<5	1	30	.12	1.1	.5	45	3.01	.077	11	5	.28	24	<.01	<2	.65	.01	.19	<2	.2	176	<.3	.8	1.4	35
46667	1.3	13.8	3.2	38.7	95	1	11	2463	4.02	3.2	<5	3	190	.30	.7	.3	42	12.21	.035	10	4	4.15	1408	.02	<2	.37	.01	.08	<2	.2	31	.3	.4	1.2	5
46668	1.8	114.5	4.0	77.3	135	6	8	1219	4.25	35.1	<5	2	82	.18	4.0	.4	48	6.03	.041	5	3	2.48	112	<.01	<2	.49	.02	.12	<2	.3	205	<.3	.4	.8	31
STANDARD D/AU-S	22.8	114.0	83.8	245.6	1873	28	13	921	4.32	82.1	19	20	57	2.23	9.5	21.7	66	.74	.092	19	50	1.19	226	.14	23	2.24	.04	.72	19	2.3	443	.9	2.3	6.6	48

ICP - 30 GRAM SAMPLE IS DIGESTED WITH 180 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP.
- SAMPLE TYPE: ROCK AU+ - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 23 1995 **DATE REPORT MAILED:** June 30/95 **SIGNED BY.** D. TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-2288 Page 1

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Geoff Goodall

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
46697	.9	24.1	6570.7	249.8	626	6	18	898	4.93	46.8	<5	2	63	1.70	1.0	.5	33	3.37	.043	1	<1	1.12	57	<.01	6	2.60	.01	.09	<2	.3	450	.3	2.0	2.3	30
46698	5.6	5.9	14.6	25.0	1983	6	7	1730	2.52	29.5	<5	1	48	.03	.8	.1	31	4.92	.024	4	5	.73	166	<.01	<2	.85	<.01	.09	<2	.1	13	.5	.4	3.7	194
46699	1.4	2.3	9.4	114.1	54	8	13	1481	5.96	9.2	<5	5	25	.21	.3	1.8	58	.91	.282	53	<1	.20	105	.03	<2	.69	.05	.11	<2	<.1	151	<.3	.3	2.1	14
46700	.7	6.4	912.6	91.2	76	4	12	1022	4.70	5.4	<5	2	20	.24	1.0	.4	73	.37	.070	7	11	1.22	245	.02	<2	2.88	.03	.09	<2	.3	83	<.3	.4	6.9	31
51551	1.3	14.5	10.6	84.5	1300	5	6	579	3.11	86.6	<5	2	22	.07	1.4	.1	42	.34	.080	19	2	.68	138	.09	<2	.94	.02	.11	<2	<.1	17	.3	.2	6.5	95
51552	4.1	8.2	13.4	10.3	31	12	2	375	.93	8.1	<5	2	38	.04	.2	1.2	6	1.02	.069	8	15	.10	21	.01	6	.20	<.01	.03	4	<.1	6	<.3	.2	<.5	9
51553	1.5	2.5	832.4	63.7	76	4	8	312	2.02	5.7	<5	3	6	.13	.2	.2	30	.11	.042	21	<1	.98	25	<.01	2	1.24	.05	.04	<2	.1	74	<.3	.3	6.5	5
51554	1.1	25.8	9.7	52.5	537	30	31	764	3.26	55.6	<5	1	165	.18	8.8	.2	59	2.28	.209	47	25	.37	33	.47	<2	.99	<.01	.22	2	.2	222	<.3	.4	4.1	19
51555	2.4	12.3	4.7	35.5	83	14	10	938	1.02	57.6	<5	1	264	.18	4.0	.2	17	4.59	.008	7	7	.09	14	.02	2	.23	<.01	.07	3	.1	284	<.3	<.1	.6	8
51556	1.3	20.6	200.7	49.3	188	12	10	976	2.48	19.7	<5	<1	198	.15	4.1	.1	40	2.30	.125	28	19	.24	30	.20	<2	.76	<.01	.23	2	.1	816	<.3	.2	3.6	22
RE 51556	1.3	21.6	223.9	53.3	206	13	10	1070	2.68	20.4	<5	<1	215	.16	4.3	.1	44	2.48	.136	31	17	.26	30	.24	<2	.84	<.01	.26	2	.2	854	<.3	.3	3.7	9
RRE 51556	1.1	22.1	7.0	45.0	219	13	11	992	2.63	23.8	<5	<1	212	.13	4.6	.1	43	2.37	.136	31	19	.25	27	.22	<2	.83	<.01	.25	<2	.2	813	<.3	.2	4.0	10
52401	1.2	228.8	15.5	80.7	451	9	23	1413	6.93	6.3	<5	2	109	.31	1.5	.1	127	3.24	.087	11	51	2.92	1578	.07	4	2.31	.04	.03	<2	.1	48	<.3	<.1	11.5	2
52402	.9	37.1	147.9	113.0	85	10	23	1436	6.74	2.9	<5	2	87	.12	1.3	<.1	158	2.06	.071	9	23	2.51	122	.19	3	2.10	.09	.05	<2	<.1	40	<.3	.2	9.2	2
52403	.5	22.2	9.6	44.6	221	5	17	649	2.52	27.3	<5	1	24	.10	5.5	.2	22	.34	.026	8	24	.56	1014	<.01	<2	1.39	<.01	.15	<2	.1	137	<.3	.2	1.8	36
52404	.6	57.0	5.3	84.1	86	81	32	1165	6.53	9.3	<5	1	284	.14	1.1	.1	114	3.60	.101	9	196	3.26	1324	.12	<2	3.25	.18	.05	<2	<.1	20	<.3	.2	10.7	2
52405	1.3	436.9	34.3	118.7	235	3	10	1141	5.41	1.2	<5	1	42	.15	2.6	<.1	55	2.61	.069	9	19	.79	761	<.01	<2	1.43	.05	.17	<2	.1	33	<.3	.3	4.5	135
52406	1.1	39.3	3.6	45.8	95	3	8	1147	2.88	9.4	<5	2	64	.16	.3	<.1	53	5.29	.078	8	<1	1.16	83	<.01	6	2.25	.02	.12	<2	<.1	21	<.3	.2	5.3	10
52407	.5	3.7	8.6	261.0	<30	4	18	3335	7.27	13.7	<5	<1	145	2.18	<.2	.1	30	13.11	.023	3	<1	6.51	230	<.01	<2	.48	.01	.06	<2	.2	75	.3	.2	.5	3
52408	.3	4.4	106.5	152.5	31	8	30	3471	7.71	2.4	<5	<1	91	1.05	1.1	<.1	23	16.39	.018	3	<1	9.39	51	.01	<2	.71	.01	.03	<2	.1	21	<.3	.4	1.1	2
52409	2.3	3.6	9.7	90.0	46	8	12	1668	3.33	4.6	5	2	33	.74	.5	.2	15	5.22	.016	2	5	3.11	216	<.01	7	.33	.01	.01	<2	<.1	<5	<.3	.5	.5	1
52410	1.3	1.3	5.2	79.9	67	1	1	468	.90	3.5	<5	15	8	.09	<.2	<.1	5	.74	.007	45	5	.30	45	.05	<2	.25	.04	.07	<2	.1	<5	<.3	.3	<.5	7
RE 52410	1.2	1.2	5.7	80.2	70	2	1	465	.89	3.2	<5	17	8	.08	.3	.2	6	.72	.007	47	6	.29	45	.05	5	.26	.04	.07	<2	.1	<5	<.3	.2	.6	2
RRE 52410	1.5	1.8	78.0	81.5	135	2	1	496	.97	3.3	<5	15	7	.11	.4	.1	5	.90	.007	46	<1	.38	42	.05	<2	.28	.05	.08	<2	.1	14	<.3	.7	1.1	4
52411	1.1	30.7	2.6	66.0	<30	18	24	509	6.96	2.2	<5	2	65	.15	<.2	.1	120	1.86	.232	18	14	2.15	86	.51	3	2.38	.20	.24	<2	<.1	23	<.3	.2	10.5	2
52412	.4	5.4	4.7	55.2	59	10	22	1174	6.25	5.2	<5	1	388	.11	.5	.2	77	9.83	.062	8	<1	5.35	220	.02	3	.53	.02	.07	<2	<.1	22	<.3	.3	1.8	2
52413	1.3	13.2	19.5	83.4	53	2	9	2877	5.81	55.1	12	1	127	.28	2.0	.3	27	9.19	.033	11	19	4.20	973	<.01	2	.44	.01	.09	<2	.2	553	<.3	.6	<.5	4
52414	1.7	3.5	3.2	65.3	40	3	8	1510	4.90	268.7	<5	1	38	.12	1.5	<.1	27	6.59	.053	13	4	.56	419	<.01	3	.88	.01	.11	<2	.2	336	<.3	.6	1.4	4
52415	.8	10.5	12.1	79.4	266	4	17	3256	5.53	19.5	<5	<1	139	.72	2.9	.2	16	12.78	.018	6	44	7.04	2402	<.01	<2	.20	.01	.03	<2	.2	38	.5	.6	.9	8
52417	.4	172.0	21.2	74.7	570	5	22	3698	6.29	7.4	<5	<1	172	.72	6.6	<.1	13	18.92	.014	5	22	8.87	1403	<.01	<2	.23	.01	.01	<2	<.1	196	.3	.4	<.5	2
52418	4.0	1371.5	8.4	166.9	1175	8	31	2111	8.03	38.1	<5	1	114	.88	131.2	<.1	120	6.81	.027	10	<1	2.41	130	<.01	<2	.39	.01	.05	<2	<.1	2134	.7	1.8	<.5	223
52419	.7	19.5	13.9	72.9	114	1	12	3114	4.84	32.0	<5	<1	197	.41	1.4	<.1	27	14.03	.030	13	23	2.30	1470	<.01	<2	.36	.01	.05	<2	.1	90	<.3	.3	<.5	4
52420	.6	15.2	6.2	27.7	55	1	5	2704	2.57	12.0	<5	1	174	.39	.4	.2	25	13.35	.037	18	19	.33	914	<.01	<2	.52	.02	.07	<2	<.1	26	.3	.3	1.3	5
52421	.4	7.6	2.6	94.5	<30	5	7	933	5.75	4.9	<5	1	56	.10	2.1	.1	71	2.06	.080	16	8	1.12	74	<.01	<2	1.49	.03	.12	<2	<.1	214	.3	.4	5.2	6
STANDARD D/AU-R	22.8	119.9	88.7	263.4	1883	27	15	951	4.66	72.0	20	21	59	2.27	9.6	22.8	63	.72	.086	18	54	1.18	229	.14	27	2.40	.07	.75	18	1.9	431	.9	2.4	6.7	516

ICP - 30 GRAM SAMPLE IS DIGESTED WITH 180 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU+ - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 1995 **DATE REPORT MAILED:** July 22/95 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52422	1.0	27.2	5.9	39.0	79	13	20	506	3.39	135.8	<5	1	70	.14	1.2	.1	91	.89	.181	32	34	.11	250	.05	<2	.71	.13	.12	<2	.1	14	<.3	.2	3.8	9
52423	1.1	24.4	19.3	93.5	147	26	17	1032	5.29	9.6	6	2	83	.26	1.6	<.1	98	1.14	.189	37	27	.28	144	.06	3	.88	.17	.07	<2	.3	19	<.3	<.1	5.3	3
52424	3.1	10.8	2.8	32.7	141	6	6	194	3.74	3.4	6	4	57	.06	.8	<.1	99	.51	.120	21	11	.13	148	.36	<2	.98	.09	.13	<2	.2	18	<.3	.1	6.5	3
52425	.9	16.4	3.1	18.0	68	7	5	110	4.37	225.4	<5	4	340	.02	.5	<.1	48	.50	.085	16	29	.20	324	.10	4	1.88	.18	.76	<2	.2	19	<.3	<.1	5.9	2
52426	1.6	15.9	12.8	10.3	97	3	3	105	3.46	202.4	<5	5	313	.02	.7	.1	55	.44	.078	27	21	.16	163	.06	5	1.45	.29	.38	<2	.4	19	<.3	.1	5.6	<1
52427	2.2	4.1	5.9	48.2	146	3	<1	309	.92	11.4	<5	8	7	.05	.5	<.1	2	.04	.009	14	6	.01	28	.01	<2	.20	.05	.09	<2	.1	<5	<.3	<.1	1.1	1
52428	2.6	11.2	4.5	193.1	<30	36	26	2719	12.17	7.3	<5	4	57	.42	<.2	.5	84	.53	.141	28	1	.18	147	.04	3	.35	.07	.12	<2	<.1	33	.6	.3	1.3	1
52429	2.8	3.7	29.4	90.7	<30	15	6	615	3.52	21.0	7	4	14	.12	2.6	.1	12	.04	.022	16	14	.02	51	<.01	6	.38	<.01	.03	2	.1	1431	.3	<.1	.9	1
52430	6.0	3.4	7.0	21.6	202	4	1	66	.43	50.9	<5	3	10	.02	4.4	<.1	2	.04	.004	19	2	.01	106	<.01	3	.27	<.01	.06	<2	.1	900	<.3	.2	2.2	28
52431	9.0	2.8	8.5	136.7	152	16	8	832	3.87	68.1	<5	3	13	.09	4.4	.1	14	.04	.012	19	5	.02	55	<.01	<2	.39	<.01	.06	<2	.2	1878	.3	.1	2.7	8
52433	1.0	13.9	18.5	85.2	68	3	10	856	4.57	7.7	<5	3	13	.08	.5	<.1	74	.40	.089	28	3	1.42	62	.17	6	1.45	.05	.12	2	<.1	50	<.3	<.1	11.9	2
52434	1.1	21.4	6.9	99.5	56	5	8	1144	4.62	7.0	<5	3	22	.18	.3	<.1	91	.51	.083	29	9	1.52	93	.41	6	1.27	.08	.08	2	.2	25	<.3	<.1	14.2	1
RE 52434	1.2	22.9	6.5	102.8	55	5	9	1167	4.75	6.9	<5	2	23	.20	.3	.1	94	.53	.086	30	11	1.58	97	.42	5	1.31	.08	.08	<2	<.1	10	<.3	<.1	14.3	1
RRE 52434	.9	22.5	6.3	102.7	63	5	9	1157	4.57	8.8	<5	1	22	.19	.2	<.1	90	.51	.085	30	9	1.55	91	.40	<2	1.28	.07	.08	<2	.1	18	<.3	<.1	14.1	1
52435	1.4	16.3	18.4	89.2	30	4	7	915	4.02	7.4	<5	2	26	.16	<.2	<.1	87	.42	.112	31	8	.94	179	.20	4	.89	.10	.10	2	.1	12	<.3	<.1	8.9	2
52436	.7	4.9	9.6	54.8	<30	3	2	1133	2.33	4.7	<5	1	29	.17	.3	<.1	28	2.08	.060	38	6	.20	118	.05	<2	.53	.05	.19	<2	<.1	<5	.4	<.1	2.8	21
52437	.3	46.0	8.8	74.0	<30	13	17	930	4.58	.8	<5	1	139	.24	<.2	<.1	61	1.41	.069	23	17	1.26	81	.02	6	2.04	.05	.21	2	<.1	22	.5	<.1	5.3	3
52438	.5	53.3	9.9	76.9	<30	14	17	926	4.89	.8	<5	1	134	.15	<.2	.2	72	1.33	.068	21	14	1.12	84	.09	3	1.91	.05	.20	2	.1	5	.3	<.1	6.4	3
52439	.4	39.4	7.5	62.4	104	6	12	707	3.67	.9	5	2	122	.10	.3	<.1	48	.89	.036	25	10	.74	75	.02	4	1.59	.05	.18	<2	.1	<5	.3	<.1	5.4	3
52440	.4	34.3	10.4	57.5	132	5	9	677	3.54	5.0	<5	2	109	.18	.3	<.1	35	1.11	.044	19	5	.64	70	.08	<2	1.52	.04	.18	<2	.1	<5	<.3	<.1	4.8	31
52441	.3	31.5	11.4	63.4	107	5	9	771	3.32	2.4	<5	1	101	.13	.3	<.1	36	1.42	.044	21	2	.66	65	.22	<2	1.47	.04	.17	2	.1	<5	<.3	<.1	5.7	2
52442	.8	39.7	15.5	53.1	156	6	14	717	3.26	9.5	<5	1	92	.16	1.0	<.1	39	1.52	.071	20	7	.53	89	.14	<2	1.34	.04	.20	9	.1	17	<.3	<.1	4.8	15
52443	.3	29.6	9.3	66.4	200	5	10	776	3.30	1.7	<5	1	77	.11	.8	<.1	36	.80	.041	23	<1	.68	65	.24	<2	1.47	.03	.18	3	.2	<5	<.3	.2	7.7	2
52444	.3	18.0	8.1	68.2	51	3	7	687	3.00	3.1	<5	3	73	.12	<.2	<.1	27	.74	.030	24	3	.57	69	.21	2	1.47	.03	.22	2	<.1	<5	.4	<.1	4.3	2
RE 52444	.3	19.3	7.7	66.1	222	3	7	663	2.89	2.2	<5	2	71	.11	.7	<.1	25	.72	.030	22	6	.55	64	.20	4	1.39	.03	.21	2	.2	<5	<.3	.1	6.6	2
RRE 52444	.1	18.1	7.0	65.6	92	4	7	654	2.85	3.2	<5	3	71	.13	<.2	.1	25	.67	.027	22	<1	.55	57	.21	4	1.35	.02	.18	2	.1	<5	.5	<.1	5.8	2
52445	.2	69.3	6.9	75.9	294	7	14	1194	5.35	7.4	<5	3	84	.11	.5	<.1	74	.94	.091	20	1	1.12	62	.32	5	2.08	.03	.19	2	<.1	5	.6	<.1	8.2	10
52446	.3	83.4	7.9	70.5	483	6	16	1545	6.84	13.9	<5	4	97	.17	.5	<.1	96	2.16	.141	24	<1	1.30	57	.53	<2	2.18	.04	.16	4	.1	11	.3	<.1	8.3	25
52447	.4	80.9	8.2	74.1	400	7	20	2082	7.05	8.2	<5	3	101	.28	.7	<.1	101	3.63	.129	23	7	1.64	57	.36	2	2.41	.04	.16	4	.1	<5	.3	<.1	10.6	6
52448	9.1	4.8	6.3	34.6	197	7	3	73	1.32	42.9	<5	2	7	.14	9.2	.1	3	.01	.003	18	1	.01	80	<.01	<2	.24	<.01	.06	2	.3	3229	<.3	<.1	1.5	23
52449	4.6	4.1	20.7	77.8	119	46	15	897	5.92	36.7	<5	2	3	.17	10.4	<.1	24	.04	.004	14	2	.09	11	<.01	<2	.26	<.01	.02	2	.2	1280	<.3	<.1	2.3	13
52450	5.3	3.6	6.4	76.7	93	8	4	288	1.76	39.6	<5	3	20	.05	3.4	<.1	6	.06	.004	19	4	.01	220	<.01	<2	.35	<.01	.07	2	.1	921	.3	<.1	2.2	15
52451	.4	44.6	12.0	32.1	331	38	22	723	4.89	6.1	<5	<1	132	.20	2.9	<.1	87	18.83	.038	3	23	1.93	15	<.01	5	1.82	.02	.04	<2	.2	88	<.3	.1	11.2	2
52452	1.4	7.6	18.6	25.7	<30	8	9	551	2.03	8.7	<5	1	276	.10	.3	<.1	59	3.10	.043	6	59	.66	2151	.13	4	1.26	.03	.03	3	<.1	17	<.3	<.1	5.3	1
STANDARD	20.5	120.7	85.4	273.2	1851	28	14	932	4.41	79.1	21	17	59	2.08	9.8	20.2	64	.68	.090	17	54	1.12	229	.15	25	2.26	.08	.72	19	2.3	462	.9	1.9	6.7	522

Standard is STANDARD D/AU-R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52453	1.3	4.6	3.5	138.8	<30	4	10	558	2.26	2.9	<5	<1	86	.04	.8	<.1	27	1.15	.146	6	2	1.44	85	.15	<2	1.76	.07	.13	<2	.1	24	.3	<.1	6.9	3
52454	.4	3.1	2.7	110.8	49	11	44	2494	8.61	3.6	<5	<1	235	.58	1.0	<.1	50	16.48	.013	3	<1	9.22	50	.01	<2	.38	.01	.01	<2	.1	51	.5	.3	1.9	5
52455	.8	14.3	11.4	70.4	<30	4	11	987	3.87	2.4	7	1	26	.09	1.3	<.1	76	1.27	.060	11	<1	1.31	76	.13	4	1.05	.06	.11	<2	<.1	19	.4	<.1	6.8	3
52456	.9	12.5	12.0	92.6	<30	8	18	1303	5.47	2.6	<5	<1	48	.41	<.2	<.1	129	1.11	.103	13	10	2.24	121	.03	<2	1.98	.08	.09	<2	<.1	13	.5	<.1	13.4	7
52457	.6	42.5	9.8	58.5	131	4	13	985	4.47	7.1	<5	1	43	.37	4.4	.1	116	2.43	.052	10	1	1.02	113	.06	<2	.55	.04	.08	<2	<.1	21	<.3	.1	3.0	5
52458	4.0	51.0	7.5	48.2	208	3	22	523	4.96	3.1	<5	<1	22	.10	.7	.2	59	.49	.097	9	<1	1.02	204	<.01	<2	3.45	.01	.16	<2	<.1	83	.5	.6	5.7	10
52460	.4	53.1	5.3	45.7	55	4	8	618	3.84	2.5	<5	1	10	.06	5.2	<.1	55	.28	.061	16	10	.18	81	.01	2	1.03	.03	.19	<2	.2	63	<.3	<.1	3.1	6
52461	1.4	22.8	5.4	144.1	<30	11	14	2729	7.08	13.1	<5	<1	59	.38	1.3	.2	96	4.34	.037	12	3	.42	111	<.01	<2	.54	.02	.09	<2	<.1	134	.6	<.1	1.1	3
52462	1.0	124.2	9.0	63.3	171	5	11	492	4.74	25.0	5	<1	25	.09	3.2	.3	53	1.09	.069	14	1	.29	51	<.01	3	.90	.02	.17	<2	.1	370	.3	.7	3.1	49
52463	.7	42.0	8.9	79.8	223	7	17	2251	5.49	15.1	<5	<1	58	.31	2.7	.2	58	6.62	.046	10	2	1.30	134	<.01	<2	.62	.01	.15	<2	.2	157	<.3	.7	2.5	21
RE 52463	.7	39.5	8.2	83.1	229	7	19	2329	5.77	13.8	<5	<1	61	.32	2.1	.5	61	6.97	.048	11	<1	1.38	138	<.01	<2	.69	.01	.17	<2	.2	171	.4	.5	2.2	20
RRE 52463	.9	44.5	7.4	83.5	257	7	18	2276	5.57	13.0	<5	<1	59	.33	3.2	.5	61	6.70	.046	12	<1	1.33	110	<.01	<2	.66	.01	.15	<2	.3	164	<.3	.8	2.5	24
52464	.4	7.0	12.6	119.1	147	7	17	2066	5.39	3.0	7	<1	84	.77	2.8	.1	47	8.30	.056	8	21	5.70	1115	.03	<2	.71	.03	.15	<2	.2	30	<.3	.4	3.2	7
52465	1.2	20.4	4.6	93.0	<30	2	9	830	3.16	1.4	<5	<1	10	.18	1.7	.2	49	.30	.061	9	<1	.14	211	<.01	2	.76	.01	.21	<2	.1	21	<.3	<.1	1.5	7
52466	.6	34.0	4.1	89.5	224	8	30	1126	5.16	4.9	<5	1	30	.09	2.9	.2	68	.59	.084	15	<1	.56	140	.01	5	1.30	.03	.22	<2	<.1	229	<.3	.4	4.7	8
52467	.5	224.2	3.9	89.2	170	7	21	966	5.04	1.9	<5	<1	65	.12	1.3	.2	79	2.43	.091	17	9	2.19	115	.01	<2	2.21	.03	.23	<2	.1	45	.3	.3	10.5	12
52468	1.0	2251.4	3.3	64.9	312	9	30	1024	4.99	2.8	<5	<1	36	.29	1.5	<.1	71	2.34	.087	18	14	1.18	173	<.01	<2	1.72	.04	.22	<2	.5	54	<.3	.1	7.9	96
52469	.3	13.0	3.6	92.8	<30	2	7	1299	3.11	1.0	<5	1	39	.05	.8	<.1	44	2.26	.062	16	4	1.43	72	<.01	3	2.05	.04	.19	<2	.2	21	<.3	.3	8.9	12
52470	1.8	100.3	7.0	70.0	187	3	11	742	3.62	1.1	<5	1	48	.09	.4	<.1	54	.95	.063	14	2	1.34	189	.03	4	1.80	.08	.13	<2	<.1	33	.7	.4	9.3	8
52471	.3	25.9	5.1	90.9	<30	6	14	1038	4.52	4.8	<5	<1	53	.29	.9	.2	91	2.75	.032	6	3	.77	303	.02	2	1.65	.06	.15	<2	.1	40	<.3	.1	5.5	6
52472	1.7	5.9	8.9	75.8	5801	3	1	261	1.20	14.8	<5	3	10	.08	1.4	.3	8	.14	.046	41	4	.06	59	.02	5	.56	.05	.17	<2	.2	27	<.3	.1	2.6	1401
STANDARD	22.8	121.0	83.4	273.8	1882	28	15	968	4.19	77.7	22	20	60	2.28	9.4	19.2	66	.67	.088	17	58	1.21	232	.15	27	2.40	.07	.76	19	1.8	465	1.1	2.0	6.6	512

Standard is STANDARD D/AU-R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

[redacted] AC[redacted]ANAL[redacted]CAL [redacted]ORA[redacted]ES [redacted] [redacted]2 E[redacted]STI[redacted]ST.[redacted]COU[redacted]BC [redacted]A 1P[redacted] P[redacted]E:(6[redacted]53-[redacted] F[redacted]04) [redacted]171[redacted]

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-4339 Page 1

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: C. Payne

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55238	6.7	29.9	8.8	30.5	<30	30	8	333	1.73	3.3	<5	1	8	.04	2.4	<.1	38	.13	.009	4	20	.15	29	.01	<2	.34	.01	.02	3	.1	11	.4	.1	1.3	3
55239	3.3	13.6	5.5	8.0	38	6	2	79	.45	7.9	<5	9	7	.01	5.6	<.1	7	.02	.006	32	7	.01	33	.01	<2	.25	.06	.16	<2	.1	460	.4	.2	1.4	2
55240	8.0	20.4	4.0	20.1	61	14	1	126	.79	4.8	<5	19	8	.01	.7	<.1	5	.05	.007	19	17	.08	65	.03	<2	.38	.10	.26	<2	.1	51	.3	.1	1.6	2
55241	3.5	20.2	2.1	25.5	<30	13	3	1594	1.54	1.3	<5	2	33	.13	.6	<.1	123	.11	.014	12	23	.04	108	.03	<2	.28	<.01	.07	2	.1	32	<.3	<.1	.8	2
55242	1.8	6.1	1.3	12.8	<30	6	<1	492	.46	.9	<5	2	24	.02	<.2	<.1	3	.64	.007	10	7	.14	188	<.01	<2	.33	.03	.17	<2	<.1	8	<.3	<.1	.7	3
55243	4.2	8.2	1.3	13.2	<30	7	<1	166	.64	1.0	<5	4	4	<.01	<.2	<.1	<1	.04	.008	12	11	.07	61	.01	<2	.24	.07	.13	2	.1	<5	.3	.1	1.3	2
55244	2.8	8.6	5.6	9.6	58	8	<1	76	.87	47.1	<5	1	27	.01	.7	<.1	2	.07	.013	8	11	.01	55	.10	<2	.19	.05	.18	3	.1	13	.3	.1	1.2	2
55245	1.9	7.3	138.1	120.0	145	15	5	1546	1.57	8.5	<5	2	16	.54	.4	<.1	27	4.28	.137	9	8	.08	55	.13	<2	.68	.01	.09	2	<.1	13	.3	.1	2.5	1
55246	2.8	6.2	8.1	11.2	43	8	2	98	.44	4.0	<5	8	42	.01	3.2	<.1	7	.09	.013	32	9	.01	94	.01	<2	.25	.06	.18	<2	.1	2381	<.3	.1	1.6	<1
55247	2.9	14.2	1.9	25.2	<30	27	9	479	1.75	1.0	<5	<1	42	.07	.2	<.1	73	1.37	.029	6	20	.08	17	.01	<2	.24	<.01	.01	2	.2	25	<.3	<.1	1.0	<1
RE 55247	2.9	14.9	1.8	25.2	<30	27	9	474	1.70	.9	<5	<1	40	.10	.2	<.1	71	1.34	.029	6	19	.08	23	.01	<2	.23	<.01	.01	3	.1	22	.4	.1	.9	<1
RRE 55247	2.1	15.3	1.9	24.6	<30	25	9	491	1.64	1.0	<5	<1	43	.08	.2	<.1	71	1.48	.029	6	17	.08	15	.01	<2	.23	<.01	.01	2	.1	17	.3	.1	.9	<1
55248	2.4	4.7	13.9	56.0	<30	5	1	871	.74	1.3	<5	18	5	.03	.4	.1	7	.06	.012	44	6	.03	23	.03	<2	.25	.05	.11	<2	.1	17	<.3	<.1	1.2	<1
55249	3.1	35.4	13.0	52.5	202	10	7	247	2.68	4.0	<5	1	46	.43	.3	.2	16	2.05	.068	3	9	.10	21	.10	4	1.58	.22	.12	<2	.3	15	.5	.1	4.5	<1
55250	1.9	26.0	3.3	29.2	32	5	5	883	1.29	.9	<5	<1	132	.09	<.2	<.1	21	2.74	.008	1	8	.25	613	<.01	<2	.50	.04	.09	<2	.1	8	.3	<.1	1.1	<1
55251	4.7	6.7	9.3	27.3	83	7	1	154	.91	23.3	<5	7	3	.03	.9	.1	3	.02	.006	46	10	.02	13	.01	<2	.19	.06	.18	<2	.1	135	<.3	<.1	<.5	1
55252	3.7	5.2	7.8	8.0	<30	7	<1	84	.39	2.4	<5	11	2	.01	.5	.1	1	.02	.005	36	9	<.01	10	.01	<2	.15	.05	.13	<2	.1	16	.3	<.1	.6	<1
55253	2.9	31.6	21.1	19.4	350	4	1	129	.39	1.7	<5	1	156	.08	.5	<.1	9	3.58	.079	3	6	.17	49	.11	2	2.78	.46	.12	<2	.1	<5	<.3	<.1	6.1	<1
55254	28.0	28.8	15.8	16.3	2085	9	2	97	2.12	9451.6	<5	1	9	.23	166.5	1.0	3	.14	.020	2	10	.06	61	<.01	3	.23	<.01	.11	2	1.0	101	1.0	1.0	5.0	287
55255	1.0	12.8	1.8	98.9	51	5	13	880	4.44	120.5	<5	6	57	.29	2.1	<.1	37	.57	.089	31	7	.14	318	.04	<2	.63	.10	.15	<2	.2	22	<.3	<.1	2.3	7
55256	1.7	22.9	3.1	64.6	123	5	5	570	2.74	14.1	<5	1	43	.16	.5	.2	40	.55	.059	7	8	.50	127	.11	<2	1.40	.13	.41	<2	.4	<5	.3	.1	8.2	1
55257	3.6	6.3	3.4	10.6	54	8	1	62	.32	53.6	<5	6	3	<.01	1.0	<.1	1	.04	.003	8	11	.01	10	<.01	<2	.13	.05	.13	<2	.2	<5	<.3	<.1	1.3	1
RE 55257	3.5	6.0	3.0	10.7	48	9	<1	64	.32	52.8	<5	6	3	<.01	1.0	<.1	1	.03	.002	9	11	<.01	9	<.01	<2	.13	.05	.13	<2	.1	<5	.3	<.1	<.5	1
RRE 55257	3.1	5.0	3.0	11.2	35	9	1	60	.31	45.5	<5	6	4	<.01	.2	<.1	<1	.04	.002	9	10	<.01	14	<.01	<2	.13	.05	.14	<2	.1	7	<.3	<.1	.5	<1
55258	2.3	5.4	6.7	9.2	<30	6	1	300	.62	13.0	<5	4	19	<.01	.2	.2	2	.04	.008	5	7	.03	115	<.01	2	.26	.05	.14	<2	<.1	18	<.3	<.1	.9	1
55259	3.0	6.9	12.0	35.1	1461	9	3	482	.97	17.4	<5	3	8	.07	1.1	<.1	4	.05	.008	18	9	.02	86	<.01	<2	.35	.01	.21	3	.1	501	.3	<.1	.7	1107
55260	1.4	4.5	7.3	50.5	1337	4	<1	75	.93	21.6	<5	4	9	.07	.9	<.1	6	.04	.008	39	6	.01	48	<.01	<2	.26	.02	.21	<2	.1	1858	.3	.1	1.1	882
55262	36.9	9.2	6.7	14.0	7679	8	1	79	.48	18.4	<5	3	96	.01	2.5	<.1	4	.04	.014	18	9	.01	248	<.01	<2	.28	.01	.14	<2	.3	173	.3	.2	.8	253
55263	2.7	12.4	2.7	10.7	311	9	1	131	.71	7.3	<5	1	50	.05	1.4	<.1	7	.12	.050	4	13	.01	168	<.01	<2	.16	<.01	.08	2	.1	22	<.3	.1	<.5	133
55264	8.8	6.8	3.1	32.1	356	10	2	156	.97	1.3	<5	1	11	.01	.6	<.1	6	.02	.006	7	10	.01	64	<.01	<2	.18	<.01	.12	2	.1	28	.3	<.1	<.5	48
55265	2.1	21.4	.3	97.9	<30	30	13	3282	11.16	.5	<5	2	10	.07	.3	<.1	70	.02	.014	4	14	.07	45	<.01	2	.15	<.01	.01	<2	.2	39	<.3	.1	<.5	3
55266	2.6	5.1	.5	9.9	<30	11	1	364	.85	3.3	<5	2	7	.02	<.2	<.1	1	.16	.015	11	9	.02	31	<.01	2	.15	.07	.04	2	<.1	<5	<.3	<.1	<.5	1
55267	6.9	4.4	3.3	23.7	<30	7	<1	59	.26	<.5	<5	11	2	.11	<.2	<.1	<1	.01	.003	29	10	<.01	9	.01	<2	.15	.05	.18	<2	.1	83	<.3	<.1	<.5	1
55268	3.0	19.3	.3	17.5	<30	15	2	192	1.43	<.5	<5	1	4	<.01	.7	<.1	37	.02	.005	3	22	.02	13	.01	<2	.12	<.01	.01	3	<.1	14	<.3	<.1	<.5	1
STANDARD D/C/AU-R	21.6	114.0	85.5	262.8	1830	28	13	953	4.20	72.0	18	20	53	2.08	9.1	20.3	65	.65	.090	16	49	1.11	235	.14	24	2.19	.04	.69	17	2.3	1833	.7	1.9	6.5	467

ICP - 30 GRAM SAMPLE IS DIGESTED WITH 180 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU+ - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 25 1995 DATE REPORT MAILED: Nov 9/95 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55269	4.1	4.0	5.9	107.0	36	1	1	6068	9.31	11.5	5	3	13	.20	.9	<.1	2	.18	.042	7	2	.05	131	<.01	2	.45	.06	.30	2	.2	495	<.3	.1	.9	3
55270	6.7	12.1	2.0	92.0	<30	33	19	1672	6.22	1.4	<5	2	7	.27	.2	<.1	31	.06	.006	4	22	.06	70	.01	<2	.27	.01	.03	3	<.1	25	<.3	<.1	.8	1
55271	4.7	6.1	12.4	98.8	163	2	1	638	3.36	22.8	<5	5	36	.40	1.1	.1	1	.06	.004	24	3	.06	362	<.01	4	.45	<.01	.29	<2	<.1	330	<.3	<.1	1.3	1
55274	5.2	7.2	12.0	4.8	1986	4	<1	78	1.06	384.1	<5	7	227	.02	26.1	.2	5	.02	.027	27	9	<.01	241	.01	<2	.31	.03	.35	4	1.3	464	<.3	<.1	1.1	47
55275	3.5	7.3	19.9	6.3	100	7	<1	204	.66	59.9	<5	9	5	.04	.7	.1	3	.01	.002	18	9	<.01	57	<.01	<2	.39	.09	.49	2	.4	23	<.3	<.1	<.5	1
55276	7.6	8.7	13.9	10.1	135	13	<1	143	1.21	27.4	<5	10	5	.06	1.0	.2	4	.01	<.002	18	13	.01	31	.02	<2	.48	.15	.48	<2	.9	18	<.3	<.1	1.0	<1
55277	12.6	9.4	19.8	33.8	87	16	<1	203	1.18	9.7	<5	15	19	.03	.4	.2	5	.06	.006	23	18	.05	145	.02	<2	.60	.17	.39	3	.2	14	<.3	.2	2.3	2
55278	6.4	10.1	2.4	2.8	87	16	1	220	.83	20.7	<5	1	12	.01	6.7	<.1	3	.01	.006	3	22	<.01	57	.01	<2	.09	.01	.05	3	.3	106	<.3	.1	.6	2
55279	2.6	6.4	.7	<1	<30	7	<1	172	.50	26.0	<5	1	14	.01	4.8	<.1	1	<.01	.003	<1	11	<.01	28	<.01	<2	.01	<.01	.01	3	.1	68	<.3	<.1	<.5	1
55280	5.1	6.0	14.0	38.0	87	8	<1	71	.73	38.7	<5	10	16	.02	4.7	.4	3	.02	.007	45	10	.01	167	.01	<2	.25	.07	.24	<2	.1	686	<.3	<.1	.5	1
55281	4.0	4.8	11.4	15.4	135	6	<1	92	1.99	6.4	<5	1	22	.03	1.0	<.1	1	.08	.023	5	9	.01	176	.01	<2	.26	.08	.17	2	<.1	12	<.3	.1	1.3	1
55282	1.4	3.6	11.4	7.5	32	4	2	174	.72	4.3	<5	5	28	.01	<.2	.1	1	.14	.004	18	4	.02	491	<.01	<2	.41	.04	.28	<2	.1	11	<.3	.2	.6	1
RE 55282	1.4	3.8	10.9	8.2	30	4	1	185	.77	4.0	<5	5	30	.01	<.2	.2	1	.15	.004	20	5	.02	539	<.01	<2	.46	.05	.30	<2	.1	11	<.3	.1	.7	1
RRE 55282	2.1	3.7	11.1	7.6	30	5	1	182	.72	4.4	<5	5	28	.01	<.2	.1	<1	.14	.003	19	6	.02	473	<.01	<2	.41	.04	.28	<2	<.1	18	<.3	.1	.6	1
55283	1.9	3.2	6.9	25.1	<30	6	1	98	.25	<.5	<5	10	2	.02	<.2	<.1	2	.01	.003	31	6	.03	7	.02	<2	.15	.05	.10	<2	<.1	40	<.3	<.1	.5	1
56001	2.5	8.9	174.3	15.8	4611	3	<1	136	1.08	103.8	<5	4	44	.17	3.0	<.1	3	.03	.016	30	4	.01	64	<.01	<2	.25	<.01	.34	<2	.1	164	.4	<.1	.8	1802
56002	1.6	3.3	10.5	7.8	170	4	<1	102	.39	5.7	<5	3	7	.04	.2	<.1	<1	.10	.021	14	4	.01	77	<.01	<2	.40	<.01	.33	<2	.1	14	<.3	<.1	.9	37
56003	3.1	18.2	281.2	44.4	822	3	2	375	2.56	31.2	<5	3	30	.03	39.6	.1	34	.29	.079	17	7	.41	74	.13	<2	.57	.04	.16	2	.1	9	<.3	.1	3.9	36
56004	2.3	5.5	10.4	45.1	3857	5	1	148	1.05	12.4	<5	3	6	.04	.7	<.1	6	.08	.036	34	6	.03	23	.02	<2	.33	.06	.13	2	<.1	34	<.3	.1	2.1	1564
56005	2.0	6.2	9.3	100.0	940	3	<1	166	1.52	46.1	<5	3	14	.17	.3	<.1	5	.04	.023	33	4	.01	135	.02	<2	.28	.04	.21	2	<.1	3286	<.3	<.1	<.5	260
56006	1.7	26.1	15.3	86.2	2350	11	8	452	3.33	70.8	<5	2	23	.57	3.1	.1	42	.38	.045	12	15	.35	60	.16	<2	.53	.02	.19	2	.1	75	.4	<.1	1.8	99
56015	5.2	11.4	3.1	3.7	2145	10	1	85	1.10	213.0	<5	<1	157	.03	49.6	.1	3	.02	.023	4	13	<.01	145	<.01	<2	.11	.01	.05	3	.7	237	<.3	<.1	<.5	58
56016	3.6	10.9	6.7	2.7	85	8	2	51	1.34	453.8	<5	3	25	.01	21.1	.1	2	.01	.008	18	10	<.01	156	<.01	<2	.17	.01	.17	2	.4	594	.3	.1	.6	10
56017	4.0	6.6	1.9	2.2	668	11	1	99	.59	52.6	<5	<1	35	.01	11.8	<.1	3	<.01	.007	3	14	<.01	85	<.01	<2	.08	<.01	.04	3	.2	402	<.3	<.1	<.5	6
RE 56017	3.8	6.7	1.8	1.6	631	11	1	102	.60	45.2	<5	<1	36	.01	10.6	.1	3	.01	.006	3	14	<.01	88	<.01	<2	.08	<.01	.04	3	.3	419	<.3	.1	.5	7
RRE 56017	3.6	8.8	1.9	2.1	672	12	1	108	.63	48.2	<5	<1	39	.01	11.4	<.1	3	.01	.007	3	15	<.01	88	<.01	<2	.08	<.01	.04	4	.2	421	<.3	<.1	<.5	8
56018	3.0	4.3	10.2	2.0	240	5	1	33	.62	67.2	<5	5	214	<.01	17.6	.1	6	.01	.029	24	8	<.01	231	.01	<2	.24	.02	.25	3	.4	157	<.3	<.1	.6	4
56019	3.5	6.3	.9	1.6	106	8	<1	95	.46	50.0	<5	<1	22	<.01	7.3	<.1	1	<.01	.004	1	11	<.01	40	<.01	<2	.01	<.01	.02	2	.3	109	<.3	<.1	<.5	3
56020	3.6	5.8	.7	<1	<30	9	<1	75	.49	47.9	<5	<1	15	<.01	6.3	<.1	1	<.01	.003	<1	9	<.01	22	<.01	<2	.02	<.01	.02	2	.5	55	<.3	<.1	<.5	2
56021	4.6	9.5	.4	1.2	37	12	<1	101	.59	49.3	<5	<1	15	<.01	8.2	<.1	2	.01	.003	<1	15	<.01	23	<.01	<2	.02	<.01	.01	4	.2	68	<.3	<.1	<.5	4
56022	6.3	6.6	1.2	2.0	373	8	1	112	.86	103.7	<5	<1	8	<.01	18.6	<.1	4	.01	.002	1	12	<.01	91	<.01	<2	.04	<.01	.02	3	.5	300	.3	<.1	<.5	25
56023	5.5	9.1	.7	1.6	39	10	<1	140	.56	34.3	<5	<1	4	<.01	5.8	<.1	2	<.01	.002	<1	12	<.01	19	<.01	<2	<.01	<.01	.01	3	.2	75	<.3	<.1	<.5	2
56024	21.8	9.0	.3	1.3	<30	14	1	82	1.25	169.0	<5	<1	4	<.01	131.8	<.1	1	<.01	.003	<1	19	<.01	26	<.01	<2	<.01	<.01	.05	6	.3	364	<.3	<.1	<.5	1
56025	4.5	4.2	9.7	2.5	50	7	<1	44	.25	29.9	<5	9	4	<.01	6.2	.1	1	.01	.003	32	9	<.01	38	<.01	<2	.18	.05	.21	<2	.1	158	<.3	.1	.6	2
STANDARD	22.7	113.3	90.3	263.5	1814	26	13	895	4.10	71.9	17	19	52	2.13	9.1	21.7	64	.63	.090	16	46	1.10	232	.14	21	2.14	.04	.68	18	2.3	1847	.9	2.2	6.7	539

Standard is STANDARD D/C/AU-R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.